



JC04 Rec'd PCT/PTO 17 OCT 2005 *FW*

PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/526,120  
Natl. Phase of  
Appl. No. : PCT/SG2003/000205  
Applicant : Kaw Yan Chua et al.  
Intl. Filing Date: August 29, 2003  
TC/A.U. : Unknown  
Examiner : Unknown  
Title : Recombinant Nucleic Acid Useful for Inducing Protective Immune Response Against Allergens

Docket No. : 11747.105002 NUS002  
Customer No. : 20786

Mail Stop Amendment  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

TRANSMITTAL LETTER

Sir:

Applicants, through their attorneys and agents, submit the following for filing in the referenced application:

1. Information Disclosure Statement;
2. Form PTO-1449;
3. Cited References;
4. Certificate of Mailing; and,
5. Postcard.

No fees are believed to be due in connection with this submission. However, the Commissioner is authorized to charge any fees, should they be due, to Deposit Account No. 11-0980.

Respectfully submitted,

Date: October 13, 2005

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**INFORMATION DISCLOSURE STATEMENT**

Sir:


Applicants cite the information on the attached Form PTO-1449, "List of Information Disclosed by Applicant," pursuant to 37 C.F.R. §§ 1.56, 1.97, and 1.98. Applicants have enclosed a copy of each foreign patent or patent application and non-patent referenced. Applicants have not enclosed copies of any cited U.S. patent or patent application publications.

The citation of this information does not constitute an admission of priority or that any cited item is available as a reference, or a waiver of any right the applicant may have under applicable statutes, Rules of Practice in patent cases, or otherwise.

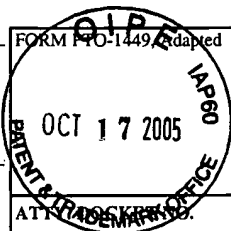
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FORM PTO-1449, adapted



# LIST OF INFORMATION DISCLOSED BY APPLICANT

(Use several sheets if necessary)

|  |    |   |          |                         |      |             |                            |
|--|----|---|----------|-------------------------|------|-------------|----------------------------|
| ATTORNEY REFERENCE   |    | SERIAL NO.  |          | INTL. APPL. FILING DATE |      |             |                            |
| 11747.105002 NUS002  |    | 10/526,120  |          | August 29, 2003         |      |             |                            |
| APPLICANT  |    |   |          | GROUP                   |      |             |                            |
| Kaw Yan Chua et al.  |    |   |          | Unknown                 |      |             |                            |
| <b>U.S. PATENT DOCUMENTS</b>   |    |   |          |                         |      |             |                            |
| EXAMINER INITIAL   |    | DOCUMENT NUMBER   | DATE     | NAME                    |      | CLASS       | FILING DATE IF APPROPRIATE |
|  | AA | 6,251,663   | 06/26/01 | Hsu et al.              |      |             |                            |
| <b>FOREIGN PATENT DOCUMENTS</b>  |    |   |          |                         |      |             |                            |
|  |    | DOCUMENT NUMBER   | DATE     | COUNTRY                 | NAME | TRANSLATION |                            |
|  |    |   |          |                         |      | YES NO.     |                            |
|  | AB | 00 50044  | 08/31/00 | WO                      | Yoo  |             |                            |
| <b>OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)</b>   |    |   |          |                         |      |             |                            |
|  | AC | Chua et al., "Sequence polymorphisms of CDNA clones encoding the mite allergen Der p I", 1993, Int. Arch. Allergy Immunol., 101 (4), pgs. 364-368   |          |                         |      |             |                            |
|  | AD | Custovic et al., "Importance of Indoor Allergens in the Induction of Allergy and Elicitation of Allergic Disease", 1998, Allergy, 53, Suppl. 48, pgs. 115-120   |          |                         |      |             |                            |
|  | AE | Deng et al., "Intra-articularly localized bacterial DNA containing CpG motifs induces arthritis", June 1999, Nature Medicine, Vol. 5, No. 6, pgs. 702-705   |          |                         |      |             |                            |
|  | AF | Fernandes et al., "Characterization of MHC class II-presented peptides generated from an antigen targeted to different endocytic compartments", August 2000, European Journal of Immunology, 30(8), pgs. 2333-2343. |          |                         |      |             |                            |
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|  | AH | Hsu et al., "Inhibition of specific IgE response in vivo by allergen-gene transfer", September 1996, Int Immunol, 8 (9), pgs. 1405-11   |          |                         |      |             |                            |
|  | AI | Hsu et al., "Immunoprophylaxis of allergen-induced immunoglobulin E synthesis and airway hyperresponsiveness in vivo by genetic immunization", May 1996, Nature Medicine, Vol. 2, No. 5, pgs. 540-544               |          |                         |      |             |                            |
|  | AJ | Kay, "Overview of Allergy and Allergic Diseases: with a View to the Future", 2000, British Medical Bulletin, 56, No. 4, pgs. 843-864  |          |                         |      |             |                            |
|  | AK | King et al., "Dust mite proteolytic allergens induce cytokine release from cultured airway epithelium", October 1998, Immunol., 161 (7), pgs. 3645-51   |          |                         |      |             |                            |
|  | AL | Koch et al., "Hijacking a chaperone: manipulation of the MHC class II presentation pathway", November 2000, Immunol Today, 21 (11), pgs. 546-50 18  |          |                         |      |             |                            |
| EXAMINER   |    |   |          | DATE CONSIDERED         |      |             |                            |
| EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |    |   |          |                         |      |             |                            |

FORM PTO-1449, Adapted

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| APPLICANT           | GROUP      |                         |
| Kaw Yan Chua et al. | Unknown    |                         |

**U.S. PATENT DOCUMENTS**

| EXAMINER<br>INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|---------------------|-----------------|------|------|-------|----------|-------------------------------|
|                     |                 |      |      |       |          |                               |

**FOREIGN PATENT DOCUMENTS**

| DOCUMENT NUMBER | DATE | COUNTRY | NAME | TRANSLATION<br>YES NO. |  |
|-----------------|------|---------|------|------------------------|--|
|                 |      |         |      |                        |  |

**OTHER REFERENCES** *(Including Author, Title, Date, Pertinent Pages, Etc.)*

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| AM | Kuo et al., "An extensive study of human IgE cross-reactivity of Blo t 5 and Der p 5. Kuo IC", March 2003, J Allergy Clin Immunol, pgs. 603-609  |
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| AO | Lim et al., "Pattern of Sensitization to Blomia Tropicalis and its Recombinant Allergens in 4 Tropical Asian Populations", March 2002, Abstract, A. A. A. I.   |
| AP | Mahnke et al., "The dendritic cell receptor for endocytosis, DEC-205, can recycle and enhance antigen presentation via major histocompatibility complex class II-positive lysosomal compartments", October 2000, Journal of Cell Biology, 151(3), pgs. 673-683 |
| AQ | Platts-Mills et al., "Indoor Allergens and Asthma: Rreport of the Third International Workshop", J. Allergy Clin Immunol, December 1997, Vol. 100, No. 6, Part 1, pgs. S2-S24  |
| AR | Puerta et al., "Nucleotide sequence analysis of a complementary DNA coding for a Blomia tropicalis allergen", 1996, J. Allergy Clin. Immunol. 98 (5 Pt 1), pgs. 932-937  |
| AS | Robinson et al., "DNA vaccines for viral infections: basic studies and applications", 2000, Copyright Academic Press, pgs. 1-74  |
| AT | Sacher et al., "CpG-ODN-induced inflammation is sufficient to cause T-cell-mediated autoaggression against hepatocytes", 2002, Eur. J. Immunol., 32, pgs. 3628-3637  |
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| AV | Thomas et al., "Blomia tropicalis: more than just another source of mite allergens", 2003, Clin Exp Allergy, 33, pgs. 416-418  |

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## INFORMATION DISCLOSURE STATEMENT

### Certificate of Mailing Under 37 CFR 1.8

I hereby certify that this Transmittal Letter, Information Disclosure Statement, Form PTO-1449, Cited References, Certificate of Mailing, and Postcard are being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

on October 13, 2005

Appl. No.: 10/526,120

Docket No.: 11747.105002 NUS002

Name: Minikia D. Blair